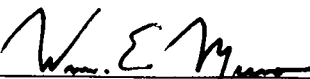


FIVE-YEAR REVIEW REPORT

**ACME SOLVENTS RECLAIMING INC.
WINNEBAGO COUNTY, ILLINOIS**

September 1997

Prepared By:
United States Environmental Protection Agency
Region V
Chicago, Illinois

 9/30/97
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Superfund Division

I. Introduction

A. PURPOSE

The United States Environmental Protection Agency (U.S. EPA) has conducted a Five-Year Review of the Remedial Action (RA) work at the Acme Solvent Reclaiming, Inc. This review was intended to evaluate whether the RA remains protective of public health and the environment.

Section 121 of the Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA), as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA), and Section 300.430(f)(4)(ii) of the National Oil and Hazardous Substance Contingency Plan (NCP), require that periodic (no less often than five years) reviews are to be conducted of sites where hazardous substances, pollutants, or contaminants remain at the site above levels that will not allow for unlimited use or unrestricted exposure following the completion of all remedial actions for the site.

OSWER Directives 9355.7-02 (Structure and Components of Five-Year Reviews, May 23, 1991) and 9355.7-02A (Supplemental Five-Year Review Guidance, July 26, 1994) provides that the U.S. EPA will conduct five-year reviews as a matter of policy (Policy Review) at: (1) sites where no hazardous substances will remain above levels that allow unlimited use and unrestricted exposure after completion of the RA, but the cleanup levels specified in the Record of Decision (ROD) will require five or more years to attain; or (2) sites addressed pre-SARA for which the remedy upon attainment of the cleanup levels, will not allow unlimited use and unrestricted exposure. The five-year review of the Acme Solvent Reclaiming Site RA was conducted in accordance with this policy.

The U.S. EPA has established a three-tiered approach to conducting five-year reviews, the most basic of which provides a minimum protectiveness evaluation (Level I review). The U.S. EPA determines the level of review based on site-specific considerations, including the nature of the response action, the status of on-site response activities, and proximity to populated

areas and sensitive environmental areas. A Type Ia review was conducted at the Acme Solvent Site, and consisted of: (1) a review of all documents associated with the RA including progress reports; and (2) a site visit.

B. Site Background

The Acme Solvent Reclaiming, Inc. site is located at 8400 Lindenwood Road, approximately five miles south of Rockford, Winnebago County, in northern Illinois. The site consists of approximately 20 acres of rolling uplands in a predominantly rural area.

Land around the site is used for agriculture, quarrying, and low density, single family residences. The site is bounded by an active quarry to the north and farmland to the south and east. Immediately to the west is another Superfund site, Pagel's Pit Landfill (also known as Winnebago Reclamation Landfill).

This remedy is the second of three potential operable units at the site. The first operable unit ROD called for excavation and incineration of soil, sludge, and other waste materials buried at the site. Instead, approximately 90 percent of the materials were excavated and disposed of in a hazardous waste landfill without the consent of U.S. EPA or IEPA and approximately 10 percent remains on-site. Home carbon treatment units were provided to residents affected by site contaminations, and additional studies were performed at the site under that ROD.

The second operable unit remedial action, being implemented by the responsible parties, the Acme Solvent RD/RA Group (RD/RA Group), with oversight by U.S. EPA, provides for treatment of the principal threat posed by contaminants in waste areas, soils, bedrock, and groundwater. Remaining risks at the site are reduced by engineering controls. A potential third operable unit will address an area of groundwater contamination between this site and Pagel's Pit Landfill when additional studies have been completed to determine the source of this contamination.

An explanation of significant differences (ESD) incorporating a Corrective Action Management Unit (CAMU) for the purposes of implementing site clean-up was approved in June 1994. This allowed for movement and/or consolidation of remediation wastes within a CAMU without triggering land disposal restrictions.

This ESD and all other pertinent documents about the site are

available for public review in the Acme Solvent, Inc.
Administrative Record which is located at:

Rockford Public Library
215 North Wyman Street
Rockford, Illinois 61101
(815)965-6731.

1.0 SITE HISTORY

From 1960 to 1973, the Acme Solvent site served as a disposal site for paints, oils and still bottoms from the Acme Solvent Reclaiming, Inc. solvent reclamation plant in Rockford, Illinois. Wastes were dumped into depressions created from previous quarrying operations or by scraping overburden from the near surface bedrock to form berms. Empty drums were also stored at the site.

In September 1972, the Illinois Pollution Control Board (IPCB) ordered the operator to remove all drums and wastes from the site and to backfill the lagoons after the removal. Follow-up inspections subsequent to this Order revealed that the wastes and crushed drums were being left on site and covered with soils.

Releases from the facility were first documented in 1981 when down-gradient residents complained of poor smelling drinking water from private water supply wells. Sampling and analysis of well water showed chlorinated organic compounds at concentrations exceeding the U.S. EPA's Health Advisories for drinking water. The Illinois Environmental Protection Agency (IEPA) recommended that these wells not be used, and in 1981 the owner of Pagel's Pit Landfill agreed to voluntarily supply affected residents with bottled water.

The Acme Solvent site was proposed to the National Priorities List (NPL) in 1982 and was included on the final NPL in September 1983. IEPA completed an RI/FS in 1984, and on September 27, 1985, U.S. EPA signed a Record of Decision (ROD) to excavate an estimated 26,000 cubic yards (cy) of contaminated soils and sludges and treat them by on-site incineration. The ROD also called for provision of home carbon treatment units (HCTUs) to residents affected by site contamination and for further study of the groundwater and bedrock.

U.S. EPA attempted to negotiate an agreement to implement the ROD with approximately 65 Potentially Responsible Parties (PRPs),

including the site owner/operators and several generators. U.S. EPA and the PRPs were not able to reach an agreement. Instead, a consortium of 23 PRPs chose to disregard U.S. EPA's ROD and to excavate and transport sludges and soils to permitted hazardous waste landfills.

The PRP action was terminated in November 1986 when U.S. EPA's Land Disposal Restrictions (LDS), which prohibited land disposal of solvent- and dioxin-contaminated waste without treatment, went into effect. The PRPs removed approximately 40,000 tons of soil and sludge from the site, or an estimate 90 percent of the total. After completion of the action, an approximately 4,000 ton waste pile and two tanks containing contaminated liquids and sludges remained at the site. Since then, an additional waste area containing approximately 2,000 tons of soils and sludges has been discovered.

In December 1986, 23 PRPs entered into a Consent Order with U.S. EPA and IEPA to further study the remaining soils, bedrock, and groundwater contamination and to provide HCTU's and monitoring to affected residents.

Under this Consent Order, Harding Lawson Associates (HLA), a consultant for the PRPs completed a Supplemental Technical Investigation (STI) in May 1990, and Endangerment Assessment (EA) in June 1990, and a Remedial Action Alternative Evaluation (RAAE) in September 1990. HLA also completed an Engineering Evaluation/Cost Analysis (EE/CA) in August 1990 to evaluate alternatives to address the remaining waste areas and the two tanks.

2.0 Site Contamination Problems

The STI identified two remaining waste disposal areas on-site. The first waste area consists of approximately 4,000 tons of soil and sludges. A second approximately 200 by 40 foot area was also identified. Sampling in these areas showed Volatile Organic Chemicals (VOCs) and Poly-chlorinated Biphenols (PCBs) exceeding background. Two 8,000-gallon storage tanks containing liquids and sludges were also present at the site. In addition to the contaminated soils and the tanks, contamination, VOCs and Semi-Volatile Organic Chemicals (SVOCs), were found in the groundwater as well.

3.0 REMEDY AS DESCRIBED IN THE DECEMBER 1990 ROD

The second ROD was signed in December 1990 and addressed both

contaminated soil and groundwater. The major components of the selected remedy include:

- Fencing the site and providing, to the extent possible, deed and access restrictions and deed notices or advisories for locations with contaminated groundwater.
- Incineration of the liquids and sludges in two tanks remaining on the site and disposal of the tanks.
- Provision of a permanent alternate water supply to locations with contaminated wells.
- Excavation of soils and sludges in two waste areas and treatment by thermal desorption, low-temperature thermal stripping.
- Further treatment of residuals, if necessary, by solidification/stabilization and on-site or off-site disposal.
- Extraction and treatment of VOC-contaminated soils and, if possible, bedrock by soils/bedrock vapor extraction.
- Consolidation of soils with remaining SVOCs, PCBs and lead contamination and covering these soils and areas where residuals are landfilled on-site with a RCRA Subtitle C compliant cap.
- Long term groundwater monitoring.

4.0 Summary of Response Action

Fencing and Deed Restrictions

The objective of the institutional control element of the response action was to place sufficient deed and access restrictions to ensure that: 1) the integrity of the RCRA cap or soil cover is not compromised; 2) no construction particularly of drinking water wells occurs onsite which may increase the likelihood of exposure to remaining contaminants; and 3) there is no interference with operation and maintenance of the treatment and monitoring systems. To achieve these objectives a security fence was installed around the perimeter of the site to meet institutional control requirements in the ROD. The fence is standard chain link construction topped with barbed wire, and is 5,500 feet in length. Gates are located at various points along

the fence length to permit access to off-site elements of the remedy such as ground water extraction wells. A pivoting cross-member arrangement with vertical tines is installed at three stream crossings on the site to prevent access along stream channels while allowing debris collected in the channel unimpeded travel during high stream flow events. The Remedial Action Report (RAR) for the fence installation project, documenting completion of this remedial action, was approved on June 25, 1993. In addition, deed and access restrictions were filed with the Winnebago County Recorder of Deeds in Rockford, Illinois on April 10, 1990. The fence is being maintained in good repair and is checked periodically in accordance with the approved maintenance schedule.

Tank Removal and Disposal

The objective of the Tank Removal and Disposal element of the response action is to remove source waste materials at the site in order to limit further contribution to soils and groundwater. Two steel storage tanks were used at the Site for the storage of waste residues. The material remaining in the tanks at the time the RD/RA project commenced was removed from the tanks, solidified with a stabilizing agent and transported off-site for disposal by incineration. The tops of the tanks were cut off with a non-thermal shear to access the material contained within. The material was then extracted from the tanks using a backhoe and placed in 30 cubic yard roll-off containers with HDPE liners. Kiln dust was used as a solidifying agent for the tank material in order to meet RCRA moisture criteria for landfilling. The solidified waste was then transported off-site and incinerated at a TSCA permitted facility. The empty tanks were cleaned, crushed with heavy equipment, and transported off-site for landfill disposal at the Chemical Waste Management Adams Center facility in Ft. Wayne Indiana. The RAR for the tank contents removal and disposal project, documenting completion of this remedial action was approved on June 25, 1993.

Alternate Water Supply

The objective of the Alternate Water Supply element of the response action is to provide a permanent source of potable water to those locations where the domestic water supply well has been impacted. Five residences and one commercial location situated west of the site along Lindenwood Road met eligibility criteria for connection to the permanent alternate water supply system. Service is also provided to the treatment plant. The alternate

water supply system is comprised of an existing deep well supply source, a pneumatic tank to maintain constant pressure in the system, a six inch service main 4,400 feet in length, and 2-inch service connections from the water main to residences served by the system. Water is supplied to the residences at pressures in the range of 60-75 psi. Water meters were installed in all service connections to monitor the water usage at each location. The RAR for the Alternate Water Supply system, documenting completion of this remedial action, was approved on December 30, 1994.

The water supply system is adequately maintained. There have been no complaints from users. A summary of water usage for the past six months for affected locations surrounding the site is shown below.

ALTERNATE WATER SUPPLY Usage in Gallons per Month								
ADDRESS	8011	8514	8554	8800	8812	8900	8929	TOTAL
Jan-97	1,163	23,886	8,822	5,477	5,259	10,641	18,103	73,352
Feb-97	1,110	23,639	8,838	5,438	4,970	10,065	17,167	71,227
Mar-97	1,205	26,519	9,908	6,652	5,619	10,885	18,982	79,770
Apr-97	1,367	27,335	10,080	6,878	5,644	11,295	19,423	82,022
May-97	1,229	25,346	8,839	5,945	4,913	10,273	16,963	73,508
Jun-97	2,617	42,289	13,198	9,347	7,517	16,617	26,142	117,727
TOTAL	8,691	169,015	59,686	39,738	33,921	69,776	116,780	497,607
AVERAGE	1,449	28,169	9,948	6,623	5,654	11,629	19,463	82,935

Thermal Desorption and Solidification/Stabilization

The objective of the thermal desorption, Low Temperature Thermal Stripping (LTTS), component of the response action is on-site treatment of affected soils to remove concentrations of VOCs, SVOCs, and PCBs and eliminate potential contribution of these constituents to groundwater. The LTTS process involved mobilization of thermal treatment equipment to the Site, erection of material handling and soil treatment equipment, and demobilization following completion of the project. Affected soils were excavated from designated waste areas and thermally treated using infrared heating technology. Target compounds released from the soil medium upon heating, were captured in an air handling system connected to the heating chamber. Upon removal from the heating chamber the off-gas was cooled and the target compounds contained in the condensate were captured in

liquid separation equipment for off-site incineration. The treated soils resulting from the LTTS process were stockpiled and tested for compliance with cleanup goals. Approximately 6,900 tons of organic- and metals-contaminated soil and sludge were processed. In addition, approximately 2,500 tons of this material was stabilized to entrain leachable lead. The LTTS removal rate was consistent with the approved design. Given this, the U.S. EPA is considering a petition from the RD/RA Group to exclude these wastes from the handling requirements of RCRA. The RAR for the LTTS remedy component, documenting completion of this remedial action, was approved on June 30, 1995.

Soil Vapor Extraction System

The objective of the Soil Vapor Extraction (SVE) system is treatment of affected soils in designated waste areas to remove concentrations of VOCs, thereby eliminating the potential contribution of these constituents to groundwater. The SVE system installed at the Site consists of air injection wells installed perpendicular to the ground surface, an underground network of perforated piping installed six feet below ground surface (bgs), a vacuum pump, and moisture separator. The vacuum pump creates a negative pressure in the underground piping network and VOCs in the soil are drawn into the piping network and exhausted to the atmosphere. Ambient air is introduced into the affected soil column through air wells positioned above the underground piping network to maintain air flow through the soil at a rate which maximizes the vacuum source operation. The air emissions from the SVE system are monitored for compliance with health-based risk thresholds developed for off-site receptors. The RAR for the SVE system, documenting completion of construction of the SVE, was approved on September 3, 1996.

SOIL VAPOR EXTRACTION SYSTEM EMISSIONS DATA SUMMARY FOR CONTAMINANTS OF CONCERN IN SOIL							
Compound (ppbv)	10/3/95 to 10/24/95	03/28/96	06/29/96	07/02/96	10/14/96	12/19/96	07/30/97
1,1,1 Trichloroethane	590	170	2300	190	160	160	100
1,1 Dichloroethylene	32	20	ND	ND	ND	ND	ND
1,1 Dichloroethane	ND	8.6	ND	ND	ND	ND	ND
1,2 Dichloroethylene	1400	220	170	120	100	110	40
Benzene	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	2200	450	1800	460	460	460	260
Trichloroethylene	6200	2200	900	3100	2200	2400	1700
Vinyl Chloride	44	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	ND	ND	ND	ND	181	ND	ND

A summary of emissions since start up for the contaminants of concern from the soil vapor extraction system appear above. The ROD contains soil cleanup standards for both a RCRA cap and a soil cover. The RD/RA settlers are developing a soil sampling plan to verify compliance with clean up standards. Verification sampling will take place during the cap construction period.

Bedrock Vapor Extraction

The ROD contains provisions for the performance of a Bedrock Vapor Extraction (BVE) pilot test to evaluate the feasibility of implementing a full-scale BVE system at the Site. The intent of the ROD in requiring consideration of a BVE system was to limit the contribution of volatile organic compounds (VOCs) that may exist in bedrock to the nearest aquifer. Following implementation of source removal and remediation activities, bedrock vapor testing demonstrated that concentrations of VOCs in the bedrock met the cleanup standards established. The BVE pilot testing program and implementation was subsequently eliminated from further consideration as documented in correspondence issued by the U.S. EPA on December 23, 1996.

Ground Water Extraction and Treatment System

The purpose of the Ground Water Extraction and Treatment System (System) response action is to restore the quality of groundwater in the surficial aquifer. The system approved in the design consisted of sixteen (16) extraction wells (EXW). Due to conditions encountered in the field during construction, two extraction wells were abandoned (EXW15 and EXW16). After construction, three wells could not be developed (EXW-11, EXW-13 and EXW-14) and were also eliminated. The system currently consists of eleven (11) wells and a groundwater treatment facility capable of treating 80 gpm. Five of the extraction wells are mass removal wells (EXW-1 through EXW-5) located within or immediately down-gradient of waste disposal source areas at the site. The remaining extraction wells (EXW-6 through EXW-10 and 12) are located further down-gradient of the site source areas. The performance of the system in meeting ground water capture goals is monitored quarterly and a performance evaluation is prepared on a semi-annual basis.

The system contains equipment and controls to effect removal of target compounds contained in the ground water. The primary compounds targeted for removal by the system consists of VOCs and

SVOCs. The natural chemistry of the ground water within the aquifer to be restored required that certain secondary compounds be targeted for treatment, to allow the unit processes for primary target compounds to operate effectively. The secondary target parameters included mineral content and biological activity. Ground water processed in the treatment facility is discharged to the intermittent stream which traverses the Site. The quality of the discharge is compared to limits provided by IEPA and is sampled quarterly to ascertain the status of the discharge relative to surface water quality standards. Solids generated from the fixed film reactor and the inclined plate separator are transferred to a solids accumulation vessel and subsequently dewatered in a plate and frame filter press. The dewatered solid waste products are transported off-site for disposal by landfill. The RAR for the GWET system, documenting completion of the remedy, was approved on September 3, 1996.

The system has been up and running for about a year. Data regarding performance has been collected. One semi-annual report has been generated which interprets the data collected. In general, the extraction wells are capturing the plume attributed to the Acme site in accordance with the approved design. Upon review of the analytical data (Attachment 1), fluctuating concentrations for the contaminants of concern is evident. An analysis of the data, however, has determined no apparent upward trend in the level of contaminant. This is consistent with the source control work, i.e., low temperature thermal stripping, performed at the site. Over 15 million gallons of groundwater (Attachment 2) has gone through the treatment plant since start up. There are no significant operational problems with plant operation or system maintenance. The plant is consistently meeting discharge limits as shown by the effluent numbers below.

GROUNDWATER TREATMENT FACILITY
EFFLUENT DATA

	Discharge Standards	03/29/96	06/28/96	10/04/96	12/18/96	07/30/97
Organics (ug/l)						
Vinyl Chloride	104	ND	ND	ND	ND	ND
1,1 Dichloroethylene	242	ND	ND	ND	ND	ND
1,1 Dichloroethane	22	ND	ND	ND	ND	ND
1,2 Dichloroethylene	70	ND	0.2	ND	ND	0.98
Napthalene	100	ND	ND	ND	ND	ND
1,1,1 Trichloroethane	320	ND	ND	ND	ND	ND
Trichloroethylene	192	ND	ND	ND	ND	ND
Benzene	50	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	125	ND	ND	ND	ND	2.1
Tetrachloroethylene	45	ND	ND	ND	ND	ND
Metals (ug/l)						
Arsenic	190	ND	ND	ND	1.6	ND
Barium	5000	85	111	130	97.8	108
Boron	1000	17.6	17.8	26.8	ND	23.3
Chromium total	1000	ND	ND	ND	ND	ND

GROUNDWATER TREATMENT FACILITY
EFFLUENT DATA
(con't)

	Discharge Standards	03/29/96	06/28/96	10/04/96	12/18/96	07/30/97
Metals (ug/l)						
Chromium hexavalent	0.1	ND	ND	ND	ND	ND
Iron	1000	ND	ND	44	ND	184
Lead	200	ND	ND	ND	1.2	ND
Manganese	1000	2.3	ND	ND	3.6	23.1
Mercury	0.5	ND	ND	ND	0.06	ND
Nickel	1000	ND	ND	ND	ND	ND
Selenium	1000	ND	ND	ND	ND	ND
Silver	5	ND	ND	ND	ND	ND
Zinc	1000	17.9	81	92.1	27.4	47.1
Inorganics (mg/l)						
Chloride	500	24.9	30.7	25.7	20.9	29
Flouride	1.4	0.2	0.14	0.15	0.158	0.12
Phenols	0.1	ND	ND	ND	ND	ND
Sulfate	500	341	25.9	25.7	22	28
Total Dissolved Solids	1000	530	403	292	399	370

In response to the submittal of the required performance review, the U.S. EPA has made suggestions to the RD/RA Group to better document system performance. These will be incorporated in the future monitoring.

RCRA Cap

The functional intent of the RCRA Compliant Cap is to eliminate direct contact and intercept direct precipitation and divert it from contact with underlying soils. The design for the cap was approved on June 30, 1997. Construction is expected to be completed by December 1997. The ROD provides an option for the RD/RA Group to petition to exempt the LTTS treated soils from RCRA regulation. Such a petition is under consideration by the U.S. EPA. If the petition is approved, and soils being remediated by SVE meet site cleanup standards for a soil cover, then installation of a RCRA cap will not be required and a soil cover will be constructed over all former waste areas.

II. REMEDIAL OBJECTIVES

The following remedial action objectives were developed for the Acme Solvent site:

- Reduce human health risks due to dermal, ingestion, or inhalation exposure to contaminants in the two 8,000-gallon tanks, the waste pile remaining from the 1986 PRP cleanup, and to the soils/sludges in the northwest area of the site, as well as all other contaminants remaining in soils after the 1986 cleanup.
- Reduce the potential for mobile contaminants, especially VOCs, in soils and waste areas to migrate and further

contaminate groundwater.

- Remediate contaminated groundwater outside of waste areas to meet ARARs and health-based levels, and provide a long-term alternate water supply to homes with contaminated wells.
- Reduce the potential for migration of VOCs from bedrock gas to groundwater.

The continued applicability of existing objectives was not evaluated at this time because all parts of the remedy have not been completed.

III. APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS AND AREAS OF NON-COMPLIANCE.

The remedial action has met all identified applicable, or relevant and appropriate, federal and more stringent state requirements. ARARs for the selected remedies are listed below.

Chemical Specific

- SDWA National Primary Drinking Water Standards (40 CFR 141)
- Clean Air Act (CAA) National Ambient Air Quality Standards (NAAQS, 40 CFR 50)
- CAA National Emission Standards for Hazardous Air Pollutants (NESHAPs, 40 CFR 61)
- Illinois General Use Water Quality Standards, and Public and Food Processing Water Supply Standards (35 IAC 302)
- Illinois General Effluent Standards (35 IAC 304)

Action Specific

- CWA NPDES Standards (40 CFR 125)
- RCRA Definition and Identification of Hazardous Waste (40 CFR 261)
- RCRA Standards for Generators of Hazardous Waste (40 CFR 262)
- RCRA Standards for Transport of Hazardous Waste (40 CFR 263)
- RCRA Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities (40 CFR 264)
- RCRA Land Disposal Restrictions (LDS, 40 CFR 268) (LDR requirements will be met through a Treatability Variance.)
- Occupational Safety and Health Act (OSHA) Regulations for Workers Involved in Hazardous Waste Operations (29 CFR 1910)
- Illinois Regulations for Prohibition of Air Pollution (35

IAC 201)

- Illinois Regulations for Emissions of Fugitive and Particulate Matter Emissions (35 IAC 212)
- Illinois Organic Air Emission Standards (35 IAC 215)
- Illinois NPDES Permit Regulations (35 IAC 309)

Location Specific

- None identified

To Be Considered Criteria

- TSCA PCB Spill Cleanup Policy (40 CFR 761)
- SDWA Maximum Contaminant Level Goals (40 CFR 141.50)

IV. SITE VISIT

Because work is on going, site visits occur periodically. The latest site visit took place on September 11, 1997. The visit documenting this review was held concurrent with the Pre-Construction Meeting for the RCRA cap.

V. RECOMMENDATIONS

It is recommended that construction be completed and operation and monitoring continue in accordance with the approved schedules.

VII. STATE OF PROTECTIVENESS

I certify that the remedy selected at this site remains protective of the public health and the environment.

VIII. NEXT REVIEW

The next five-year review will be conducted in September 2002.

Acme Groundwater Monitoring Analytical Results

	Well ID:	B-1	B-1	B-1	B-1	B-1	B-1	B-1	B-1	B-1	B-1	B-1	B-1	B-1	B-1	B-1	B-2	B-2	B-2						
	Sample Date:	6/22/95	6/22/95	12/3/95	12/3/95	3/27/96	7/1/96	10/1/96	12/12/96	6/27/97	6/22/95	12/3/95	3/28/96												
		Reanalysis						Dilution																	
	Groundwater Cleanup Standards																								
Analyte	(µg/l)																								
Vinyl chloride	2	1.00	U	1.00	U	1.00	U	3.00	U	3.00	U	2.00	U	2.00	U	2.00	U	1.00	U	1.00	U	1.00	U	1.00	U
1,1-Dichloroethene	0.2	1.00	U	1.00	U	0.300	J	3.00	U	3.00	U	2.00	U	2.00	U	2.00	U	1.00	U	1.00	U	0.100	J	1.00	U
1,1-Dichloroethane	2	1.00	U	1.00	U	0.200	J	3.00	U	3.00	U	2.00	U	2.00	U	2.00	U	1.00	U	0.900	J	0.900	J	0.800	J
1,2-Dichloroethene (total)	70	1.00	JX	2.00	JX	5.00	X	5.00	DX	3.00	JX	3.00	X	0.800	JX	2.00	U	4.40		2.00	X	2.00	X	1.00	X
Naphthalene	20	5.00	J	5.00	U	5.00	U	17.0	U	17.0	U	10.0	U	10.0	U	10.0	U	5.00	U	5.00	U	5.00	U	5.00	U
1,1,1-Trichloroethane	200	2.00	J	3.00	J	4.00		3.00	DJ	3.00	J	3.00		4.00		3.00		1.70		5.00		5.00		5.00	
Trichloroethene	5	2.00	J	2.00	J	4.00		3.00	DJ	3.00	JJ	2.00		1.00	J	2.00	U	1.40		6.00		4.00		4.00	
Benzene	5	1.00	U	1.00	U	1.00	U	3.00	U	3.00	U	2.00	U	2.00	U	2.00	U	1.00	U	1.00	U	1.00	U	1.00	U
4-Methyl-2-pentanone	125	5.00	U	5.00	UJ	5.00	U	17.0	U	17.0	U	10.0	U	10.0	U	10.0	U	5.00	U	5.00	UJ	5.00	U	5.00	U
Tetrachloroethene	5	15.0	J	25.0	J	52.0	EJ	44.0	D	26.0		30.0		15.0		11.0		14.0		7.00		7.00		8.00	

PRELIMINARY AND UNVALIDATED DATA
COMPOUND QUANTITATIONS AND IDENTIFICATIONS
ARE SUBJECT TO CHANGE

Acme Groundwater Monitoring Analytical Results

Analyte	Well ID:	B-2		B-2		B-2		B-2		B-4		B-4		B-4		B-4		B-4		B-4		B-4		B-4	
	Sample Date:	7/1/96		10/2/96		12/12/96		6/27/97		6/22/95		6/22/95		6/22/95		12/3/95		12/3/95		12/3/95		12/3/95		12/3/95	
													Dilution	Duplicate	Dilution				Dilution	Duplicate	Dilution				
	Groundwater Cleanup Standards (µg/l)																								
Vinyl chloride	2	1.00	U	1.00	U	1.00	U	1.00	U	27.0	JE	5.00	U	18.0	J	13.0	JD	36.0	EJ	36.0	DJ	34.0	EJ	39.0	J
1,1-Dichloroethene	0.2	0.200	J	1.00	U	1.00	U	1.00	U	0.400	J	5.00	U	0.300	J	5.00	U	0.600	J	4.00	U	0.600	J	0.400	J
1,1-Dichloroethane	2	0.600	J	0.400	J	0.400	J	1.00	U	62.0	JE	12.0	JD	30.0	JE	21.0	JD	11.0		12.0	D	11.0		12.0	
1,2-Dichloroethene (total)	70	1.00	X	0.800	JX	0.500	JX	0.47	J	61.0	JE	13.0	JD	33.0	JE	25.0	JD	50.0	X	50.0	DX	49.0	X	50.0	X
Naphthalene	20	5.00	U	5.00	U	5.00	U	5.00	U	140	JE	26.0	JB	81.0	J	46.0	JB	17.0	B	20.0	U	18.0	B	14.0	BJ
1,1,1-Trichloroethane	200	3.00		3.00		2.00		1.70		13.0	J	3.00	DJ	8.00	J	6.00	JD	7.00		7.00	D	7.00		7.00	
Trichloroethene	5	3.00		2.00		2.00		1.20		18.0	J	4.00	DJ	12.0	J	8.00	JD	17.0		16.0	D	16.0		16.0	
Benzene	5	1.00	U	1.00	U	1.00	U	1.00	U	21.0	J	6.00	JD	15.0	J	11.0	JD	4.00		4.00	D	4.00		4.00	
4-Methyl-2-pentanone	125	5.00	U	5.00	U	5.00	U	5.00	U	5.00	J	25.0	UJ	5.00	J	25.0	JU	4.00	J	20.0	U	5.00	U	17.0	U
Tetrachloroethene	5	5.00		4.00		3.00		2.50		120	JE	30.0	JD	49.0	JE	45.0	JD	68.0	EJ	49.0	D	61.0	EJ	52.0	

PRELIMINARY AND UNVALIDATED DATA
COMPOUND QUANTITATIONS AND IDENTIFICATIONS
ARE SUBJECT TO CHANGE

Acme Groundwater Monitoring Analytical Results

	Well ID:	B-4	B-4	B-4	B-4	B-4	B-5	B-5	B-7	B-7	B-9	B-9	B-10											
	Sample Date:	3/27/96	7/1/96	10/3/96	12/17/96	7/8/97	7/1/95	7/17/97	7/1/95	7/3/97	6/23/95	7/17/97	7/2/95											
	Groundwater Cleanup Standards																							
Analyte	(µg/l)																							
Vinyl chloride	2	9.00	4.00	9.00	19.0	22.0	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U				
1,1-Dichloroethene	0.2	3.00	U	3.00	U	3.00	U	0.44	J	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U			
1,1-Dichloroethane	2	15.0		10.0	8.00	13.0	1.00	U	0.65	J	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U				
1,2-Dichloroethene (total)	70	17.0	X	4.00	X	27.0	X	28.0	X	23.0	1.00	U	1.40	15.0	X	2.50	1.00	U	1.00	U	6.00	X		
Naphthalene	20	23.0		16.5	U	15.0	U	5.00	J	1.40	J	5.00	UJ	5.00	U	5.00	U	5.00	U	5.00	U	6.00	U	
1,1,1-Trichloroethane	200	8.00		3.00	J	11.0		14.0		12.0	0.400	J	1.40	0.700	J	1.00	U	1.00	UJ	1.00	U	0.600	J	
Trichloroethene	5	12.0		2.00	J	34.0		20.0		14.0	1.00	U	1.10	0.600	J	1.00	U	1.00	U	1.00	U	1.00		
Benzene	5	4.00		2.00	J	1.00	J	1.00	J	0.52	J	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	
4-Methyl-2-pentanone	125	17.0	U	17.0	U	15.0	U	17.0	U	5.00	U	5.00	UJ	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	
Tetrachloroethene	5	34.0		14.0		65.0		57.0		54	E	1.00		2.30	0.600	J	1.00	U	1.00	U	1.00	U	0.800	J

PRELIMINARY AND UNVALIDATED DATA
COMPOUND QUANTITATIONS AND IDENTIFICATIONS
ARE SUBJECT TO CHANGE

Acme Groundwater Monitoring Analytical Results

	Well ID:	B-10	B-11	B-11	B-11A	B-11A	B-16	B-16	B-16	B-16	B-16	B-16	B-16								
	Sample Date:	7/8/97	6/23/95	7/7/97	7/1/97	7/7/97	6/22/95	12/2/95	3/27/96	6/28/96	10/3/96	12/17/96	7/7/97								
	Groundwater Cleanup Standards																				
Analyte	(µg/l)																				
Vinyl chloride	2	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
1,1-Dichloroethene	0.2	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
1,1-Dichloroethane	2	1.00	U	1.00	U	1.00	U	1.00	U	0.500	J	0.300	J	0.400	J	0.200	J	1.00	U	1.00	U
1,2-Dichloroethene (total)	70	4.00		1.00	U	0.68	J	0.600	JX	0.77	J	20.0	X	10.0	X	15.0	X	6.00	X	3.00	X
Naphthalene	20	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U
1,1,1-Trichloroethane	200	1.00	U	1.00	UJ	1.00	U	1.00	U	1.00	U	0.60	J	0.300	J	1.00	U	0.100	J	1.00	U
Trichloroethene	5	0.67	J	1.00	U	1.00	U	1.00	U	1.00	U	2.00		0.800	J	1.00		0.400	J	1.00	U
Benzene	5	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	0.100	J	1.00	U	1.00	U
4-Methyl-2-pentanone	125	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U
Tetrachloroethene	5	1.00	U	1.00	U	1.00	U	0.800	J	0.54	J	0.700	J	0.400	J	1.00	U	0.200	J	1.00	U

PRELIMINARY AND UNVALIDATED DATA
COMPOUND QUANTITATIONS AND IDENTIFICATIONS
ARE SUBJECT TO CHANGE

Acme Groundwater Monitoring Analytical Results

Well ID:	B-16A	B-16A	B-16A	EXW-1	EXW-1	EXW-1	EXW-2	EXW-2	EXW-3	EXW-3	EXW-3	EXW-4													
	Sample Date:	7/1/95	7/1/95	7/7/97	7/19/95	7/19/95	6/30/97	7/19/95	6/30/97	7/19/95	7/19/95	6/30/97	7/19/95												
Analyte	Groundwater Cleanup Standards (µg/l)	Dilution				Dilution				Dilution															
Vinyl chloride	2	1.00	U	5.00	UJ	1.00	U	1.00	U	5.00	U	5.00	U	1.00	U	1.00	U	79.0	JE	92.0	D	240		340	JE
1,1-Dichloroethene	0.2	1.00	U	5.00	UJ	1.00	U	1.00	U	5.00	U	5.00	U	1.00	U	1.00	U	1.00	J	50.0	U	100	U	2.00	J
1,1-Dichloroethane	2	0.600	J	5.00	UJ	1.10		2.00		2.00	DJ	5.00	U	1.00	U	0.50	J	21.0	J	23.0	DJ	100	U	38.0	JE
1,2-Dichloroethene (total)	70	27.0	JX	15.0	JD	34.0	E	42.0	JX	41.0	DX	74.0		1.00	U	10.0		180	JX	190	DX	880		200	JE
Naphthalene	20	5.00	U	25.0	U	5.00	U	20.0	B	21.0	DJ	56.0		5.00	U	5.00	U	68.0	JB	250	U	25.0	J	7.00	UJ
1,1,1-Trichloroethane	200	1.00		5.00	U	1.10		1.00	U	5.00	U	5.00	U	1.00		2.30		13.0	J	50.0	U	39.0	J	7.00	J
Trichloroethene	5	0.900	J	5.00	U	1.20		0.500	J	5.00	U	4.50	J	0.800	J	3.30		68.0	JE	68.0	D	190		9.00	J
Benzene	5	1.00	U	5.00	U	1.00	U	1.00	U	5.00	U	5.00	U	1.00	U	1.00	U	7.00	J	50.0	U	100	U	3.00	J
4-Methyl-2-pentanone	125	5.00	U	25.0	U	5.00	U	26.0		26.0	D	25.0	U	5.00	U	5.00	U	1,100	JE	4,300	D	1600		150	JE
Tetrachloroethene	5	0.900	J	5.00	U	0.78	J	0.400	J	5.00	U	5.00	U	2.00		4.60		38.0	JE	58.0	D	27	J	4.00	J

PRELIMINARY AND UNVALIDATED DATA
COMPOUND QUANTITATIONS AND IDENTIFICATIONS
ARE SUBJECT TO CHANGE

Acme Groundwater Monitoring Analytical Results

Analyte	Well ID:	EXW-4 Sample Date:	EXW-4 7/19/95	EXW-4 6/30/97	EXW-5 7/19/95	EXW-5 7/19/95	EXW-5 6/30/97	EXW-5 7/21/95	EXW-6 6/30/97	EXW-6 7/21/95	EXW-7 7/10/97	EXW-7 7/21/95	EXW-8 6/30/97	EXW-8 7/21/95	EXW-9 7/21/95	Dilution	Dilution	Groundwater Cleanup Standards (µg/l)											
Vinyl chloride	2	590	D	230		14.0		19.0	DJ	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U						
1,1-Dichloroethene	0.2	50.0	U	25	U	0.700	J	25.0	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	0.32	J	1.00	U						
1,1-Dichloroethane	2	41.0	DJ	39.0		7.00		8.00	DJ	1.30		1.00	U	1.00	U	1.00	U	0.500	J	1.70		1.00	U						
1,2-Dichloroethene (total)	70	300	DX	240		110	JX	120	DX	21.0		4.00	X	3.60		19.0	X	5.10		4.00	X	20.0		2.00	X				
Naphthalene	20	250	U	120	U	5.00	U	120	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U				
1,1,1-Trichloroethane	200	50.0	U	25.0	U	5.00	J	25.0	U	2.00		1.00	U	1.00	U	0.500	J	1.00	U	0.700	J	2.70		1.00	U				
Trichloroethene	5	50.0	U	25.0	U	20.0	J	20.0	DJ	12.0		1.00	U	1.00	U	1.00		1.00	U	0.600	J	3.90		1.00	U				
Benzene	5	50.0	U	5.30	J	1.00	U	25.0	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U				
4-Methyl-2-pentanone	125	150	DJ	130		5.00	U	120	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U				
Tetrachloroethene	5	50.	U	25.0	U	14.0	J	19.0	DJ	8.60		1.00	U	1.00	U	0.400	J	1.00	U	0.500	J	2.10		1.00	U				

PRELIMINARY AND UNVALIDATED DATA
COMPOUND QUANTITATIONS AND IDENTIFICATIONS
ARE SUBJECT TO CHANGE

Acme Groundwater Monitoring Analytical Results

Analyte	Groundwater Cleanup Standards (µg/l)	Well ID:	EXW-9	EXW-10	EXW-10	EXW-11	EXW-11	EXW-11	EXW-11	EXW-11	EXW-11	EXW-11	EXW-11	EXW-11	EXW-11	EXW-11	EXW-11	EXW-11	EXW-11	EXW-12	EXW-12	EXW-12	EXW-12
		Sample Date:	6/30/97	7/21/95	6/30/97	6/26/95	12/2/95	3/26/96	6/27/96	10/2/96	12/17/96	7/15/97	7/21/95	12/1/95									
Vinyl chloride	2	1.00	U	1.00	UJ	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	UJ	0.300	J
1,1-Dichloroethene	0.2	1.00	U	1.00	U	1.00	U	1.00	U	0.100	J	1.00	U	0.100	J	1.00	U	1.00	U	1.00	U	0.200	J
1,1-Dichloroethane	2	1.70		6.00		1.90		2.00		3.00		2.00		1.00		1.00		2.00		1.10		7.00	6.00
1,2-Dichloroethene (total)	70	15.0		21.0	X	14.0		7.00	X	17.0	X	22.0	X	10.0	X	12.0	X	10.0		12.0	X	24.0	X
Naphthalene	20	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U
1,1,1-Trichloroethane	200	1.90		3.00		1.70		0.600	J	3.00		4.00		1.00		2.00		3.00		1.60		2.00	5.00
Trichloroethene	5	2.50		4.00		4.20		1.00		6.00		9.00		4.00		4.00		6.00		5.10		3.00	7.00
Benzene	5	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
4-Methyl-2-pentanone	125	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U
Tetrachloroethene	5	1.60		4.00		3.50		1.00		5.00		10.0		4.00		4.00		9.00		4.20		3.00	11.0

PRELIMINARY AND UNVALIDATED DATA
COMPOUND QUANTITATIONS AND IDENTIFICATIONS
ARE SUBJECT TO CHANGE

Acme Groundwater Monitoring Analytical Results

Well ID:	EXW-12	EXW-12	EXW-12	EXW-12	EXW-12	EXW-12	EXW-12	EXW-12	EXW-12	EXW-12	EXW-12	EXW-12	EXW-12	EXW-12	EXW-12	EXW-12	EXW-12	EXW-12	EXW-12	EXW-12	EXW-12	EXW-12	EXW-12	EXW-12	
	Sample Date:	12/1/95	3/25/96	3/26/96	6/28/96	10/4/96	12/12/96	6/30/97	6/24/95	6/24/95	12/1/95	12/1/95	3/25/96												
Analyte	Dilution		Duplicate		Duplicate		Duplicate		Duplicate		Duplicate		Duplicate		Duplicate		Duplicate		Duplicate		Duplicate		Duplicate		
	Groundwater Cleanup Standards (µg/l)																								
Vinyl chloride	2	0.300	DJ	2.00	U	1.00	U	2.00	U	2.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
1,1-Dichloroethene	0.2	2.00	U	2.00	U	1.00	U	0.200	J	2.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
1,1-Dichloroethane	2	5.00	D	4.00		4.00		4.00		4.00		1.00		3.20		1.00		1.00		2.00		2.00		2.00	
1,2-Dichloroethene (total)	70	22.0	DX	20.0	X	22.0	X	16.0	X	18.0	X	6.00	X	17.0	X	4.00	X	4.00	X	18.0	X	17.0	X	18.0	X
Naphthalene	20	10.0	U	10.0	U	5.00	U	10.0	U	10.0	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U
1,1,1-Trichloroethane	200	4.00	D	5.00		5.00		2.00		3.00		2.00		2.40		1.00	UJ	1.00	U	2.00		1.00		5.00	
Trichloroethene	5	6.00	D	8.00		9.00		4.00		6.00		3.00		5.70		0.500	J	0.600	J	7.00		7.00		8.00	
Benzene	5	2.00	U	2.00	U	1.00	U	2.00	U	2.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
4-Methyl-2-pentanone	125	10.0	U	10.0	U	5.00	U	10.0	U	10.0	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U
Tetrachloroethene	5	9.00	D	11.0		12.0		6.00		7.00		5.00		6.20		1.00		1.00		9.00		8.00		12.0	

PRELIMINARY AND UNVALIDATED DATA
COMPOUND QUANTITATIONS AND IDENTIFICATIONS
ARE SUBJECT TO CHANGE

Acme Groundwater Monitoring Analytical Results

Well ID:	EXW-13	EXW-13	EXW-13	EXW-13	EXW-14	EXW-14	EXW-14	EXW-14	EXW-14	EXW-14	EXW-14	EXW-14	G-102
	Sample Date:	7/2//96	10/2/96	12/17/96	7/9/97	6/20/95	6/20/95	12/1/95	3/25/96	7/2/96	10/2/96	12/16/96	7/2/95
Duplicate													
Analyte	Groundwater Cleanup Standards (µg/l)												
Vinyl chloride	2	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
1,1-Dichloroethene	0.2	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
1,1-Dichloroethane	2	0.600	J	2.00		3.00		0.68	J	0.600	J	0.800	J
1,2-Dichloroethene (total)	70	5.00	X	19.0	X	13.0	X	5.80		2.00	X	1.00	X
Naphthalene	20	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U
1,1,1-Trichloroethane	200	0.900	J	2.00		4.00		0.63	J	1.00	UJ	1.00	U
Trichloroethene	5	2.00		8.00		6.00		2.90		0.400	J	0.500	J
Benzene	5	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
4-Methyl-2-pentanone	125	5.00	U	5.00	U	5.00	U	5.00	U	5.00	UJ	5.00	U
Tetrachloroethene	5	4.00		6.00		16.0		3.70		0.700	J	0.700	J

PRELIMINARY AND UNVALIDATED DATA
COMPOUND QUANTITATIONS AND IDENTIFICATIONS
ARE SUBJECT TO CHANGE

Acme Groundwater Monitoring Analytical Results

Analyte	Groundwater Cleanup Standards (µg/l)	Well ID: G-102		G-108		G-108		G-111		G-111		G-112		G-112		G120B		G120B		G120B		G120B		G120B	
		Sample Date: 7/17/97		7/2/95		7/8/97		7/2/95		12/3/95		7/2/95		7/17/97		6/22/95		6/22/95		12/2/95		12/2/95		3/26/96	
												Dilution				Dilution									
Vinyl chloride	2	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	UJ	5.00	U	1.00	U	3.00	U	3.00	U
1,1-Dichloroethene	0.2	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	0.600	J	5.00	U	0.600	J	0.400	DJ	3.00	U
1,1-Dichloroethane	2	1.00	U	1.00	U	1.00	U	0.700	J	1.00		1.00	U	1.00	U	4.00	J	4.00	DJ	8.00		6.00	D	6.00	
1,2-Dichloroethene (total)	70	1.00	U	1.00	X	1.60		5.00	X	10.0	X	1.00	U	1.00	U	28.0	JE	23.0	JD	45.0	X	36.0	DX	35.0	X
Naphthalene	20	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	UJ	25.0	U	5.00	U	17.0	U	17.0	U
1,1,1-Trichloroethane	200	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	5.00	J	3.00	DJ	6.00		5.00	D	5.00	
Trichloroethene	5	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	6.00	J	4.00	DJ	9.00		7.00	D	9.00	
Benzene	5	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	5.00	U	1.00	U	3.00	U	3.00	U
4-Methyl-2-pentanone	125	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	UJ	25.0	U	5.00	U	17.0	U	17.0	U
Tetrachloroethene	5	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	4.00	J	2.00	DJ	6.00		4.00	D	6.00	

PRELIMINARY AND UNVALIDATED DATA
COMPOUND QUANTITATIONS AND IDENTIFICATIONS
ARE SUBJECT TO CHANGE

Acme Groundwater Monitoring Analytical Results

	Well ID:	G120B	G120B	G120B	G120B	G120B	G120B	MW-104	MW-104	MW-105	MW-105	MW-201A	MW-201A
	Sample Date:	6/27/96	6/28/96	10/3/96	12/11/96	12/11/96	7/3/97	7/1/95	7/9/97	7/1/95	7/3/97	7/1/95	7/2/97
		Duplicate				Duplicate							
Analyte	Groundwater Cleanup Standards (µg/l)												
Vinyl chloride	2	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
1,1-Dichloroethene	0.2	0.200	J	0.200	J	1.00	U	0.400	J	0.300	J	0.62	J
1,1-Dichloroethane	2	2.00		2.00		2.00		3.00		3.00		2.80	
1,2-Dichloroethene (total)	70	15.0	X	14.0	X	15.0	X	16.0	X	23.0		13.0	X
Naphthalene	20	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U
1,1,1-Trichloroethane	200	2.00		2.00		2.00		3.00		3.00		1.00	U
Trichloroethene	5	4.00		3.00		3.00		6.00		6.00		6.50	
Benzene	5	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
4-Methyl-2-pentanone	125	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U
Tetrachloroethene	5	2.00		2.00		2.00		4.00		3.00		3.70	

PRELIMINARY AND UNVALIDATED DATA
COMPOUND QUANTITATIONS AND IDENTIFICATIONS
ARE SUBJECT TO CHANGE

Acme Groundwater Monitoring Analytical Results

Analyte	Well ID: MW-202		MW-202		MW-202		MW-202		MW-202		MW-202		MW-202		MW-202		MW-202		MW-202		MW-202		R11S		
	Sample Date: 7/1/95		7/1/95		12/3/95		12/3/95		3/26/96		3/26/96		7/1/96		7/1/96		10/3/96		12/17/96		7/8/97		3/27/96		
	Dilution				Dilution				Dilution				Dilution												
Groundwater Cleanup Standards (µg/l)																									
Vinyl chloride	2	16.0		5.00	JD	8.00	J	8.00	DJ	78.0		86.0	D	270		270	D	59.0		20.0		150		1.00	U
1,1-Dichloroethene	0.2	1.00	U	5.00	U	0.100	J	10.0	U	5.00	U	20.0	U	20.0	U	200	U	5.00	U	20.0	U	50	U	1.00	U
1,1-Dichloroethane	2	22.0		16.0	D	51.0	EJ	44.0	D	49.0		61.0	D	120		120	DJ	53.0		64.0		110		1.00	
1,2-Dichloroethene (total)	70	110	JX	64.0	DX	150	EX	120	DX	51.0	X	60.0	DX	160	X	180	DJ	10.0	X	10.0	JX	140		10.0	X
Naphthalene	20	5.00	UJ	25.0	U	6.00	B	10.0	U	36.0		34.0	DJ	100	U	1,000	U	44.0		28.0	J	34	J	5.00	U
1,1,1-Trichloroethane	200	1.00	U	5.00	U	1.00	U	10.0	U	2.00	J	20.0	U	2.00	J	200	U	5.00	U	20.0	U	50	U	3.00	
Trichloroethene	5	0.900	J	5.00	U	2.00		3.00	DJ	5.00	U	20.0	U	20.0	U	200	U	5.00	U	20.0	U	50	U	5.00	
Benzene	5	2.00		2.00	DJ	5.00		4.00	DJ	7.00		8.00	DJ	9.00	J	200	U	12.0		10.0	J	14	J	1.00	U
4-Methyl-2-pentanone	125	360	JE	240	JD	600	EJ	330	D	1,200	EJ	1,400	D	2,000	E	1,000	D	150		1,100		4600		5.00	U
Tetrachloroethene	5	1.00	U	5.00	U	1.00	U	10.0	U	2.00	J	20.0	U	20.0	U	200	U	5.00	U	20.0	U	50	U	8.00	

PRELIMINARY AND UNVALIDATED DATA
COMPOUND QUANTITATIONS AND IDENTIFICATIONS
ARE SUBJECT TO CHANGE

Acme Groundwater Monitoring Analytical Results

Analyte	Well ID:	R11S	R11S	R11S	R11S	RM-7	RM-7	RM-7	RM-8	RM-8	RM-9	RM-9	RM-9												
	Sample Date:	7/1/96	10/3/96	12/17/96	7/8/97	6/27/95	7/10/97	7/10/97	6/29/95	7/9/97	6/28/95	6/28/95	7/9/97												
	Groundwater Cleanup Standards (µg/l)	Duplicate								Reanalysis															
Vinyl chloride	2	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U		
1,1-Dichloroethene	0.2	0.100	J	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U		
1,1-Dichloroethane	2	1.00		1.00		1.00		1.30		1.00	U	1.00	U	1.00	U	0.800	J	1.40		1.00	J	1.00	J	1.10	
1,2-Dichloroethene (total)	70	11.0	X	12.0	X	6.00	X	13.0		1.00	U	1.00	U	1.00	U	5.00	X	11.0		1.00	JX	1.00	JX	8.00	
Naphthalene	20	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	7.00	U	5.00	U	5.00	U
1,1,1-Trichloroethane	200	2.00		2.00		3.00		2.20		1.00	U	1.00		1.00	U	0.500	J	1.70		1.00	U	1.00	U	2.00	
Trichloroethene	5	5.00		4.00		4.00		5.80		1.00	U	1.00	U	1.00	U	1.00		5.10		1.00	U	1.00	U	3.60	
Benzene	5	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
4-Methyl-2-pentanone	125	0.900	J	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U
Tetrachloroethene	5	6.00		5.00		8.00		5.60		1.00		3.20		2.70		2.00		6.70		0.700	J	0.900	J	5.70	

PRELIMINARY AND UNVALIDATED DATA
COMPOUND QUANTITATIONS AND IDENTIFICATIONS
ARE SUBJECT TO CHANGE

Acme Groundwater Monitoring Analytical Results

	Well ID:	RM-10	RM-10	RM-10	RM-11	RM-11	RM-12	RM-12	RM-12	RM-12	RM-12	RM-12	RM-12	RM-12	RM-12	RM-12	RM-12	RM-12	RM-12	RM-12	RM-12	RM-12	RM-12		
	Sample Date:	6/30/95	7/15/97	6/30/95	6/26/97	7/2/95	7/2/95	12/3/95	3/21/96	7/1/96	10/2/96	12/12/96	12/12/96												
		Dilution																		Duplicate					
	Groundwater Cleanup Standards (µg/l)																								
Analyte																									
Vinyl chloride	2	1.00	U	1.00	U	1.00	U	1.00	U	1.00	UJ	5.00	UJ	1.00	U	0.200	U	1.00	U	1.00	U	1.00	U	1.00	U
1,1-Dichloroethene	0.2	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	5.00	U	1.00	U	0.200	U	1.00	U	1.00	U	1.00	U	1.00	U
1,1-Dichloroethane	2	1.00	U	1.00	U	1.00	U	1.00	U	0.800	J	5.00	U	1.00	U	0.200	U	0.400	J	1.00	U	1.00	U	1.00	U
1,2-Dichloroethene (total)	70	1.00	U	1.80		1.00	U	1.00	U	51.0	JX	42.0	DX	0.800	JX	0.300	JX	12.0	X	2.00	X	0.800	JX	1.00	X
Naphthalene	20	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	25.0	U	5.00	U	0.300	UJ	5.00	U	5.00	U	5.00	U	5.00	U
1,1,1-Trichloroethane	200	1.00	U	1.00	U	1.00	U	1.00	U	4.00		3.00	DJ	0.200	J	0.200	U	0.700	J	1.00	U	1.00	U	1.00	U
Trichloroethene	5	1.00	U	1.00	U	1.00	U	1.00	U	6.00		4.00	DJ	0.300	J	0.200	U	1.00		0.700	J	1.00	U	1.00	U
Benzene	5	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	5.00	U	1.00	U	0.200	U	1.00	U	1.00	U	1.00	U	1.00	U
4-Methyl-2-pentanone	125	5.00	U	5.00	U	5.00	U	5.00	U	5.00	UJ	25.0	UJ	5.00	U	NA		5.00	U	5.00	U	5.00	U	5.00	U
Tetrachloroethene	5	1.00	U	1.00	U	1.00	U	1.00	U	5.00		4.00	DJ	0.900	J	0.200		2.00		0.700	J	1.00	U	1.00	U

PRELIMINARY AND UNVALIDATED DATA
COMPOUND QUANTITATIONS AND IDENTIFICATIONS
ARE SUBJECT TO CHANGE

Acme Groundwater Monitoring Analytical Results

	Well ID:	RM-12	RM-13	RM-13	RM-14	RM-14	RM-15	RM-15	RM-15	RM-15	RM-15	RM-15	RM-15
	Sample Date:	7/9/97	7/2/95	6/27/97	6/29/95	7/17/97	3/26/96	6/26/96	7/1/96	10/1/96	12/16/96	6/27/97	6/27/97
		Duplicate										Duplicate	
	Groundwater Cleanup Standards (µg/l)												
Analyte													
Vinyl chloride	2	0.42	J	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
1,1-Dichloroethene	0.2	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
1,1-Dichloroethane	2	1.00	U	1.00	U	1.00	U	0.900	J	1.10	0.800	J	0.200
1,2-Dichloroethene (total)	70	20.0		1.00	U	1.00	U	8.00	X	5.60	4.00	X	0.800
Naphthalene	20	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U
1,1,1-Trichloroethane	200	1.10		1.00	U	1.00	U	1.00		1.80	4.00	0.500	J
Trichloroethene	5	3.40		1.00	U	1.00	U	2.00		2.30	3.00	0.700	J
Benzene	5	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
4-Methyl-2-pentanone	125	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U
Tetrachloroethene	5	4.30		1.00	U	1.00	U	3.00		3.50	10.0	3.00	4.00

PRELIMINARY AND UNVALIDATED DATA
COMPOUND QUANTITATIONS AND IDENTIFICATIONS
ARE SUBJECT TO CHANGE

Acme Groundwater Monitoring Analytical Results

	Well ID:	RM-16	RM-16	RM-16	RM-16	RM-16	RM-16	RM-16	RM-16	STI-2D	STI-2D	STI-2I	STI-2I	STI-2I											
	Sample Date:	3/21/96	3/26/96	6/26/96	10/1/96	10/1/96	12/16/96	6/25/97	6/27/95	7/14/97	6/28/95	12/4/95	3/26/96												
		Duplicate				Duplicate																			
	Groundwater Cleanup Standards (µg/l)																								
Analyte																									
Vinyl chloride	2	0.200	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
1,1-Dichloroethene	0.2	0.200	U	1.00	U	0.100	J	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
1,1-Dichloroethane	2	0.200		1.00	U	2.00		0.400	J	0.500	J	0.400	J	0.51	J	1.00	U	1.00	U	1.00	U	0.100	J	1.00	U
1,2-Dichloroethene (total)	70	1.00	X	1.00	X	9.00	X	3.00	X	2.00	X	1.00	X	3.00		1.00	U	1.00	U	1.00	U	0.200	JX	0.800	JX
Naphthalene	20	0.300	UJ	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U
1,1,1-Trichloroethane	200	2.00		3.00		2.00		2.00		3.00		2.00		1.00		1.00	U	1.00	U	1.00	U	1.00	U	2.00	
Trichloroethene	5	0.900		1.00		3.00		2.00		2.00		1.00		1.20		1.00	U	1.00	U	1.00	U	1.00	U	1.00	
Benzene	5	0.200	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
4-Methyl-2-pentanone	125	NA		5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U
Tetrachloroethene	5	8.00		9.00		7.00		8.00		10.0		11.0		3.80		1.00	U	1.00	U	0.600	J	1.00		6.00	

PRELIMINARY AND UNVALIDATED DATA
COMPOUND QUANTITATIONS AND IDENTIFICATIONS
ARE SUBJECT TO CHANGE

Acme Groundwater Monitoring Analytical Results

	Well ID:	STI-2I	STI-2I	STI-2I	STI-5D	STI-5D	STI-5I	STI-5I	STI-5S	STI-5S	STI-7I	STI-7I	STI-7I
	Sample Date:	7/1/96	12/17/96	7/14/97	6/29/95	7/7/97	6/26/95	7/2/97	6/26/95	7/2/97	6/23/95	6/23/95	7/17/97
Analyte	Reanalysis												
	Groundwater Cleanup Standards (µg/l)												
Vinyl chloride	2	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
1,1-Dichloroethene	0.2	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
1,1-Dichloroethane	2	0.400	J	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
1,2-Dichloroethene (total)	70	2.00	X	0.900	JX	1.10		1.00	U	0.36	J	1.00	X
Naphthalene	20	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U
1,1,1-Trichloroethane	200	2.00		2.00		2.10		1.00	U	1.00	U	1.00	U
Trichloroethene	5	1.00		1.00		0.95	J	1.00	U	1.00	U	1.00	U
Benzene	5	1.00	U	1.00	U	1.00	U	1.00	U	0.40	J	1.00	U
4-Methyl-2-pentanone	125	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U	5.00	U
Tetrachloroethene	5	6.00		7.00		5.50		1.00	U	1.00	U	1.00	U

µg/l micrograms per liter
NA Not analyzed

- B Compound was detected in the method blank.
D Reported concentration is based on analysis requiring a secondary dilution.
E The associated value is estimated due to exceedance of the calibration range.
J Reported concentration is estimated.
U Analyte not detected at or above the reporting limit.
X The associated value is calculated from the cis-1,2-dichloroethene and trans-1,2-dichloroethene concentrations.

Results reported in µg/l
Bold results equal or exceed the groundwater cleanup standards

PRELIMINARY AND UNVALIDATED DATA
COMPOUND QUANTITATIONS AND IDENTIFICATIONS
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Attachment 2
1997 EXTRACTION WELL
OPERATION DATA

WELL NO.	JANUARY			FEBRUARY			MARCH			APRIL		
	% PUMP RUN TIME	GALLONS	AVERAGE GPM	% PUMP RUN TIME	GALLONS	AVERAGE GPM	% PUMP RUN TIME	GALLONS	AVERAGE GPM	% PUMP RUN TIME	GALLONS	AVERAGE GPM
EXW-1	0.0%	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0	0.0
EXW-2	95.8%	55,229	1.2	100.0%	44,860	1.1	97.8%	33,541	0.8	89.1%	34,802	0.8
EXW-3	83.0%	61,870	1.3	100.0%	62,207	1.5	97.8%	66,748	1.5	88.9%	143,953	3.3
EXW-4	75.8%	33,490	0.7	93.0%	51,618	1.3	97.8%	70,274	1.6	88.9%	58,775	1.4
EXW-5	99.9%	93,454	2.0	100.0%	76,299	1.9	97.8%	80,373	1.8	81.6%	68,081	1.6
EXW-6	24.2%	19,613	0.4	100.0%	53,202	1.3	69.4%	40,022	0.9	26.2%	24,866	0.6
EXW-7	100.0%	154,360	3.3	100.0%	134,823	3.3	97.8%	148,135	3.3	88.7%	128,981	3.0
EXW-8	100.0%	213,813	4.6	100.0%	183,734	4.5	97.8%	197,158	4.5	88.7%	170,026	3.9
EXW-9	99.9%	85,279	1.8	100.0%	74,426	1.8	97.8%	80,497	1.8	88.7%	73,072	1.7
EXW-10	100.0%	133,588	2.9	100.0%	110,780	2.7	97.8%	118,589	2.7	66.2%	75,728	1.8
EXW-12	100.0%	190,443	4.1	100.0%	160,261	4.0	97.8%	182,708	4.1	50.3%	167,050	3.9
TOTAL		1,041,139	22.5		952,210	23.5		1,018,045	23.0		945,334	21.9

WELL NO.	MAY			JUNE			JULY			AUGUST		
	% PUMP RUN TIME	GALLONS	AVERAGE GPM	% PUMP RUN TIME	GALLONS	AVERAGE GPM	% PUMP RUN TIME	GALLONS	AVERAGE GPM	% PUMP RUN TIME	GALLONS	AVERAGE GPM
EXW-1	0.0%	0	0.0	0.0%	0	0.0						
EXW-2	95.3%	27,481	0.6	91.1%	21,529	0.5						
EXW-3	95.3%	187,492	4.3	91.1%	91,666	2.0						
EXW-4	95.3%	64,609	1.5	91.1%	34,162	0.7						
EXW-5	95.3%	73,557	1.7	90.8%	69,054	1.5						
EXW-6	79.3%	28,277	0.6	72.8%	15,741	0.3						
EXW-7	95.3%	137,633	3.1	88.4%	137,596	3.0						
EXW-8	95.3%	187,392	4.3	52.7%	99,728	2.2						
EXW-9	95.3%	78,988	1.8	90.8%	76,043	1.7						
EXW-10	95.3%	95,356	2.2	91.0%	107,509	2.4						
EXW-12	92.9%	173,013	4.0	75.9%	163,593	3.6						
TOTAL		1,053,798	24.1		816,621	17.9		0	0.0		0	0.0

WELL NO.	SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
	% PUMP RUN TIME	GALLONS	AVERAGE GPM	% PUMP RUN TIME	GALLONS	AVERAGE GPM	% PUMP RUN TIME	GALLONS	AVERAGE GPM	% PUMP RUN TIME	GALLONS	AVERAGE GPM
EXW-1												
EXW-2												
EXW-3												
EXW-4												
EXW-5												
EXW-6												
EXW-7												
EXW-8												
EXW-9												
EXW-10												
EXW-12												
TOTAL		0	0.0		0	0.0		0	0.0		0	0.0

WELL NO.	AVERAGE % PUMP RUN TIME	TOTAL GALLONS	AVERAGE GPM
EXW-1	0.0%	0	0.0
EXW-2	94.8%	217,442	0.8
EXW-3	92.7%	613,936	2.3
EXW-4	90.3%	312,928	1.2
EXW-5	94.2%	460,818	1.7
EXW-6	62.0%	181,721	0.7
EXW-7	95.0%	841,528	3.2
EXW-8	89.1%	1,051,851	4.0
EXW-9	95.4%	468,305	1.8
EXW-10	91.7%	641,550	2.4
EXW-12	86.1%	1,037,068	3.9
TOTAL		5,827,147	22.2
		971,191	

WELL NO	JANUARY			WELL NO	FEBRUARY			WELL NO	MARCH			WELL NO	APRIL		
	% PUMP RUN TIME	GALLONS	AVERAGE MONTHLY GPM		% PUMP RUN TIME	GALLONS	AVERAGE MONTHLY GPM		% PUMP RUN TIME	GALLONS	AVERAGE MONTHLY GPM		% PUMP RUN TIME	GALLONS	AVERAGE MONTHLY GPM
EXW-1	88.4%	45,228	1.5	EXW-1	100.0%	44,889	1.1	EXW-1	87.8%	32,641	0.8	EXW-1	98.1%	34,882	0.8
EXW-2	83.0%	40,870	1.3	EXW-2	100.0%	42,387	1.4	EXW-2	83.8%	46,348	1.4	EXW-2	98.8%	143,863	3.3
EXW-3	71.8%	30,480	0.7	EXW-3	93.0%	31,873	1.3	EXW-3	87.8%	20,374	1.8	EXW-3	86.8%	56,776	1.4
EXW-4	98.8%	33,454	2.0	EXW-4	100.0%	18,288	1.8	EXW-4	87.8%	40,373	1.8	EXW-4	81.8%	85,881	1.8
EXW-4	21.2%	18,813	0.4	EXW-4	100.0%	33,307	1.3	EXW-4	88.8%	40,022	0.8	EXW-4	28.7%	24,888	0.4
EXW-4	108.0%	194,380	3.3	EXW-4	100.0%	134,823	1.3	EXW-4	87.8%	144,136	1.3	EXW-4	86.7%	128,881	3.0
EXW-7	108.0%	213,813	4.8	EXW-7	100.0%	183,734	4.8	EXW-7	87.8%	187,188	4.8	EXW-7	86.7%	178,888	3.8
EXW-8	88.8%	86,378	1.8	EXW-8	100.0%	74,428	1.8	EXW-8	87.8%	80,487	1.8	EXW-8	88.7%	73,872	1.7
EXW-9	100.0%	133,688	2.8	EXW-9	100.0%	119,788	2.1	EXW-9	87.8%	116,888	2.1	EXW-9	86.7%	73,228	1.8
EXW-10	100.0%	180,443	4.1	EXW-10	100.0%	188,341	4.0	EXW-10	87.8%	182,788	4.1	EXW-10	88.3%	187,888	3.8
EXW-11	98.8%	1,610,418	38.2	EXW-11	100.0%	1,348,347	38.2	EXW-11	87.8%	1,708,888	38.8	EXW-11	88.7%	1,488,228	34.7
TOTAL		2,881,818	81.7			2,411,882	81.7			2,218,880	81.4			2,441,343	78.8

WELL NO	MAY			WELL NO	JUNE			WELL NO	JULY			WELL NO	AUGUST		
	% PUMP RUN TIME	GALLONS	AVERAGE MONTHLY GPM		% PUMP RUN TIME	GALLONS	AVERAGE MONTHLY GPM		% PUMP RUN TIME	GALLONS	AVERAGE MONTHLY GPM		% PUMP RUN TIME	GALLONS	AVERAGE MONTHLY GPM
EXW-1	86.3%	27,481	0.8	EXW-1	81.1%	21,828	0.8								
EXW-2	86.3%	187,483	4.3	EXW-2	81.1%	41,888	2.0								
EXW-3	88.3%	84,408	1.8	EXW-3	81.1%	34,182	0.7								
EXW-4	88.3%	73,367	1.7	EXW-4	80.8%	48,084	1.6								
EXW-4	28.3%	26,277	0.4	EXW-4	72.8%	18,141	0.3								
EXW-8	86.3%	127,633	3.1	EXW-8	88.4%	137,888	3.4								
EXW-7	86.3%	187,383	4.3	EXW-7	87.7%	98,728	2.2								
EXW-8	86.3%	78,888	1.8	EXW-8	80.8%	78,864	1.7								
EXW-9	86.3%	88,388	2.2	EXW-9	81.8%	107,888	2.4								
EXW-10	80.8%	173,913	4.0	EXW-10	78.8%	148,882	3.8								
EXW-11	86.3%	1,828,380	37.3	EXW-11	81.1%	1,831,488	36.8								
TOTAL		2,881,188	81.4			2,448,128	82.2			0	0.0			0	0.0

WELL NO	SEPTEMBER			WELL NO	OCTOBER			WELL NO	NOVEMBER			WELL NO	DECEMBER		
	% PUMP RUN TIME	GALLONS	AVERAGE MONTHLY GPM		% PUMP RUN TIME	GALLONS	AVERAGE MONTHLY GPM		% PUMP RUN TIME	GALLONS	AVERAGE MONTHLY GPM		% PUMP RUN TIME	GALLONS	AVERAGE MONTHLY GPM
EXW-1				EXW-1				EXW-1				EXW-1			
EXW-2				EXW-2				EXW-2				EXW-2			
EXW-3				EXW-3				EXW-3				EXW-3			
EXW-4				EXW-4				EXW-4				EXW-4			
EXW-4				EXW-4				EXW-4				EXW-4			
EXW-8				EXW-8				EXW-8				EXW-8			
EXW-7				EXW-7				EXW-7				EXW-7			
EXW-8				EXW-8				EXW-8				EXW-8			
EXW-9				EXW-9				EXW-9				EXW-9			
EXW-10				EXW-10				EXW-10				EXW-10			
EXW-11				EXW-11				EXW-11				EXW-11			
TOTAL			0.0			0	0.0			0	0.0			0	0.0

WELL NO	AVERAGE		TOTAL	AVERAGE
	% PUMP RUN TIME	GALLONS		GPM
EXW-1	88.4%	217,447		0.8
EXW-2	82.7%	418,834		2.3
EXW-3	80.3%	312,828		1.2
EXW-4	88.2%	488,818		1.7
EXW-4	82.8%	181,723		0.7
EXW-4	88.0%	841,628		3.2
EXW-7	88.1%	1,081,881		4.0
EXW-8	88.4%	498,383		1.8
EXW-9	81.7%	841,450		2.4
EXW-10	88.1%	1,037,088		3.8
EXW-11	86.1%	8,881,073		37.4
TOTAL		13,888,233		58.6